

**CLAIMS**

1. Use of dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, as a sterilizing, antiseptic, disinfecting and anti-parasitic agent.

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2. The use according to claim 1, as a bactericide.

3. The use according to claim 1, as a virucide.

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4. The use according to claim 1, as a fungicide.

5. The use according to claim 1, as a sporicide.

6. The use according to claim 1, as a mycobactericide.

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7. The use according to claim 1, as a protocide.

8. The use according to claim 1, as an algicide.

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9. The use according to claim 1, as a prionicide.

10. The use according to claim 1, as an insecticide.

11. The use according to claim 1, as an arachnicide.

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12. The use according to claim 1, as a miticide.

13. The use according to the previous claims, applied to human and animal therapy, human and animal hygiene, the washing and disinfection of healthy or damaged skin both in man and animals, packing, wrapping, medical and industrial instruments, sanitary surfaces and healthcare environments, premises, surfaces in general, industrial installations, refrigeration towers, air conditioning conduits, machinery and installations in the food industry, agriculture and fisheries

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installations, sanitary hot water circuits, purification of drinking water for human or animal consumption, or any other application: industrial, domestic, environmental, agricultural, forestry, urban, pharmaceutical, civil, military, police purposes, scientific, technological, spatial, geological, healthcare or health prevention.

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14. The use according to the previous claims characterised in that the dialkyl ketone peroxide is a (C1-C20) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, preferably a (C1-C6) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same.

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15. The use according to the previous claims characterised in that the dialkyl ketone peroxide is a methyl ethyl ketone peroxide, or an isomer or a mixture of isomers of the same.

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16. Use of a composition that comprises a (C1-C20) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, preferably a (C1-C6) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, at a percentage by volume less than or equal to 50%, preferably less than or equal to 20%, as a sterilizing, antiseptic, disinfecting and anti-parasitic agent.

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17. The use according to 16 as bactericide, virucide, fungicide, sporicide, mycobactericide, protocide, algicide, prionicide, insecticide, arachnicide and miticide.

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18. The use according to claims 16-17, characterised in that the composition comprises a (C1-C20) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, preferably a (C1-C6) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, in a percentage by volume less than or equal to 5%, preferably less than or equal to 0.3%.

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19. The use according to claims 16-18 characterised in that said composition comprises methyl ethyl ketone peroxide, or an isomer or a mixture of isomers of the same.

20. The use according to claims 16-19 characterised in that said composition comprises water, or an adequate organic solvent or an oil as an excipient.

5 21. The use according to claim 20 characterised in that the organic solvent is an alcohol.

10 22. The use according to claim 21 characterised in that the alcohol is selected from: hexylene glycol, polyethylene glycol 200, propylene glycol and glycerin-formal, diacetone alcohol, ethanol, n-propanol or isopropanol.

15 23. Method of sterilisation, disinfection, asepsia or deparasitisation that comprises the application of a composition comprising a (C1-C20) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, preferably a (C1-C6) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, at a percentage by volume less than or equal to 50%, preferably less than or equal to 20%.

20 24. The method according to claim 23, characterised in that said composition comprises a (C1-C20) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, preferably a (C1-C6) dialkyl ketone peroxide, or an isomer or a mixture of isomers of the same, at a percentage by volume less than or equal to 5%, preferably less than or equal to 0.3%.

25 25. The method according to claims 23-24, characterised in that said composition comprises methyl ethyl ketone peroxide, or an isomer or a mixture of isomers of the same.

26. The method according to claims 23-25, characterised in that said composition comprises water, an adequate organic solvent or an oil as an excipient.

30 27. The method according to claim 26 characterised in that the organic solvent is an alcohol.

28. The method according to claim 27, characterised in that the alcohol is selected from hexylene glycol, polyethylene glycol 200, propylene glycol and glycerin-formal, diacetone alcohol, ethanol, n-propanol or isopropanol.